

```
calc_dailydose_peak <- function(Params,days,dose=1,timepoints=1000,compartment="Cven")
{
  MW <- get_param("MW",Params,"calc_dailydose_peak")
  time.interval <- 24
  dose <- get_param("BW",Params,"calc_dailydose_AUC")*dose/MW*10^6/1000
  DietInput<-matrix(c(seq(0,days*24,time.interval),rep(dose,days),0),ncol=2)
  out <-
  vliver_pbpk(sort(unique(round(c(seq(0,days*24,time.interval),seq(0,days*24,days*24/24/timepoints)),3))),c(Params[names(Params)!=="MW"],list(DietInput=DietInput)))
  peak <- calc_timecourse_peak(out$result[,c("time",compartment)])
  return(peak)
}
```